

appVersion(4) = "0.99.6956.134"

$$D(t, y, k) := \begin{bmatrix} -k_1 \cdot y_1 \\ k_1 \cdot y_1 - k_2 \cdot y_2 \\ k_2 \cdot y_2 \end{bmatrix}$$

$k := \text{stack}(1, 0.4)$ $\text{AbsTol} := 10^{-4}$ $\text{RelTol} := 10^{-4}$

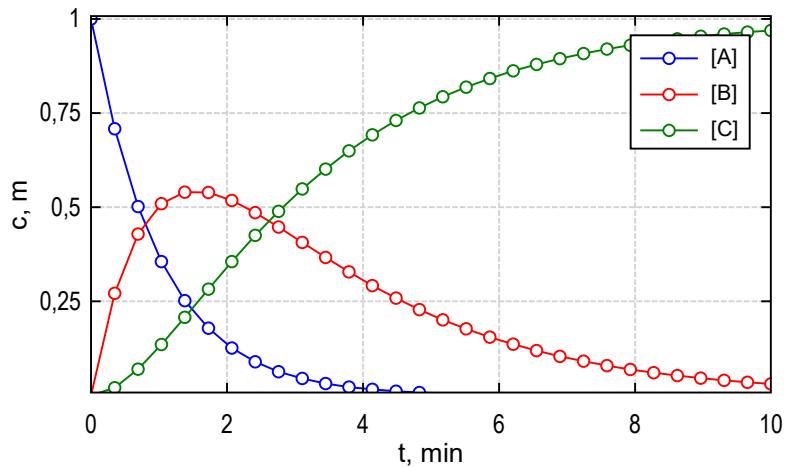
$y := \text{stack}(1, 0, 0)$ $t_{\min} := 0$ $t_{\max} := 10$ $N := 30$

$\text{res} := \text{lsoda}(y, t_{\min}, t_{\max}, N-1, D)$

$T := \text{col}(\text{res}, 1)$

$$ABC := \begin{cases} \text{augment}(T, \text{col}(\text{res}, 2)) \\ \text{augment}(T, \text{col}(\text{res}, 3)) \\ \text{augment}(T, \text{col}(\text{res}, 4)) \end{cases}$$

Kinetic curves



ABC